



Health Care Financing Notes

Medicare: Inpatient Use of Short-Stay
Hospitals, 1979

PUBS
RA
412
.3
M4332
1979 short-
stay hosp. use



Health Care Financing Administration
Office of Research and Demonstrations
HCFA Pub. No. 03157
September 1983

RA
412.3
.44332
1979
short-stay
hosp. use
c. 3

Medicare: Inpatient Use of Short-Stay Hospitals, 1979 1/

By Charles Helbing

This Note presents preliminary annual estimates on the use, charges, and amounts reimbursed for Medicare aged and disabled Hospital Insurance (HI) enrollees discharged from participating short-stay hospitals during 1979. Data are shown for aged and disabled beneficiaries by State of residence. Trend data for the years 1969 to 1979 are also shown.

Prior to 1973 persons aged 65 years and older constituted the entire Medicare population and thus the HI program covered only these individuals. Starting July 1973, the Medicare HI benefits were extended to classes of persons under 65 years of age. These were persons entitled to cash benefits for not less than 24 consecutive months under the disability insurance program and to persons with end-stage renal disease (ESRD).

The accompanying general tables in this report present the following:

Table 1 - Shows the ten year trends on the use and reimbursements for short-stay hospital services under the Medicare HI program, by type of beneficiary, 1969-79.

1/This Note is one of a series prepared in the Office of Research, Judith Lave, Director, to provide a description and analysis of the use and cost of the health care benefits furnished to the beneficiaries of the Medicare and Medicaid programs administered by the Health Care Financing Administration. This Note was written under the administrative supervision of Allen Dobson, Director, Division of Beneficiary Studies. The statistical files used for this Note were developed and maintained by the Office of Statistics and Data Management in the Bureau of Data Management and Strategy. The programming services for the production of the tables were provided by Vikki Latta, Betty Gunn, and Cheryl Black.

Table 2 - Shows the use and reimbursements for short-stay hospital services by aged Medicare HI beneficiaries, by region, division, and State, 1979.

Table 3 - Shows the use and reimbursements for short-stay hospital services by disabled Medicare HI beneficiaries, by region, division, and State, 1979.

The data shown in Tables 2 and 3 are incomplete to the extent that an estimated 2 percent of the short-stay hospital discharge records for 1979 were not included in the file used to prepare this report. Therefore, annual discharge and days-of-care rates per 1,000 Medicare HI enrollees are not reported in this Note. Since it is helpful to have some means of comparing the relative frequency of discharges and days of care between geographic areas, a discharge rate index and a days-of-care rate index by U.S. Census divisions were developed. These indices are shown in Table A.2/

Trends in Enrollment, Utilization, and Reimbursement

All Beneficiaries, 1969-79

- . The number of persons enrolled in the Medicare HI program increased from 20.0 million in 1969 to 27.5 million in 1979 - an average annual increase of 3.2 percent.

2/A detailed description of the methodology utilized to generate the indices is given in the text discussing the data in Table A.

- . Discharges of HI enrollees from short-stay hospitals increased from 5.9 million in 1969 to 9.6 million in 1979, an average annual increase of 5.1 percent.
- . Total days of care (covered and non-covered) used by Medicare HI enrollees increased from 79.8 million in 1969 to 101.8 million in 1979, an average annual increase of 2.5 percent.
- . The growth in HI enrollment and in hospital use and expenditures accelerated when Medicare coverage was extended in 1973 to the disabled and to persons with ESRD. This is shown when the data for the aged and disabled are examined separately.

Aged, 1969-79

- . The number of aged persons enrolled in the Medicare HI program increased from 20.0 million in 1969 to 24.5 million in 1979 - an average annual increase of 2.1 percent.
- . Between 1969 and 1979, the number of short-stay hospital discharges of aged beneficiaries increased from about 5.9 million to an estimated 8.5 million, an average annual increase of 3.8 percent. During this period, the average length of hospital stay declined from 13.6 days in 1969 to 10.6 days in 1979 - a decrease of about 22 percent. The total days of care (covered and non-covered), therefore, increased at a slower pace than the increase in the number of discharges, from 79.9 million to 90.3 million, an average annual increase of 1.3 percent.

- . Over the period from 1969 to 1979, Medicare HI reimbursement for short-stay hospital services to the aged almost quadrupled, going from \$4.1 billion to \$16.0 billion, an average annual rate of increase of about 14.6 percent.
- . The average reimbursement per discharge increased from \$706 to \$1,889 (an average annual increase of 10.4 percent) though the average length of "covered" stay per discharge decreased from 13.4 to 10.4 days. 3/
- . The reimbursement per covered day increased from \$53 in 1969 to \$182 in 1979, an average annual rate of increase of about 13.1 percent.
- . The increase in Medicare HI reimbursements for short-stay hospital services to the aged between 1969 and 1979 was primarily a function of the increased cost of hospital care as measured by reimbursement per day. Since the total days of covered care per 1,000 aged HI beneficiaries (covered days of care rate) has remained relatively stable since 1971, the increase in the reimbursement per day accounted for most (about 86 percent) of the increase in total short-stay reimbursements. The

3/Covered days per stay are less than the total length of stay because not all days of hospitalization are covered by the program. In some cases, the total length of stay exceeded the benefits provided by the program, or did not meet the other requirements for coverage under the program.

remainder of the increase in total reimbursements was due to the increase in the HI enrollment of the aged during this period. 4/

- . Total hospital charges increased faster than reimbursable costs. Between 1969 and 1979, total hospital charges increased from \$5.3 billion to \$22.7 billion, or at an average annual rate of 15.7 percent compared to 14.6 percent for reimbursements. Therefore, Medicare HI reimbursements decreased from 78.5 percent of charges in 1969 to 70.6 percent of charges in 1979.

Disabled, 1974-79

- . Between 1974 (the first full year that the disabled were covered under HI) and 1979, the number of disabled persons enrolled in the HI program increased from 1.9 million to 2.9 million - an average annual increase of 8.6 percent.
- . During this period, the number of discharges of disabled beneficiaries from short-stay hospitals increased from 0.6 million to 1.2 million, an average

4/These estimates are based on the algebraic relationship that the amount reimbursed by Medicare for inpatient hospital use in any given year is the product of three factors: the covered days-of-care rate, the total aged HI enrollment and the average reimbursement per covered day. The percentage change in the amount reimbursed by Medicare is the sum of the percentage changes in each of these three factors. When the formula is applied to apportion the sources of increase over a longer period of time, an "interaction" effect may be present. The interaction involves the combined effects of the individual factors acting together. For a detailed discussion of methods used to apportion interaction effects refer to Herbert E. Klarman, et al., "Sources of Increases in Selected Medical Care Expenditures, 1929-1969." U.S. Department of Health, Education, and Welfare; Social Security Administration; Office of Research and Statistics; Staff Paper No. 4, 1970. The above estimates are based on the computations of Charles Helbing in "Ten Years of Short-Stay Hospital Utilization and Costs Under Medicare: 1967-1976", Health Care Financing Research Report, Health Care Financing Administration, Publication No. 03053, August 1980.

annual increase of 14.2 percent. The average length of stay per discharge decreased during this period from 11.2 to 9.9 days - a decrease of approximately 12 percent. As a result of these offsetting effects, the total days of care used by the disabled increased at a slower rate than the number of discharges - an average annual rate of 11.6 percent - from 6.6 million days to 11.5 million days.

- . Medicare HI reimbursement for short-stay hospital services to the disabled more than tripled, going from \$628 million (in 1974) to \$2.2 billion (in 1979) - an average annual rate of increase of about 28 percent.
- . The average reimbursement per discharge increased from \$1,055 in 1974 to \$1,855 in 1979 (an average annual rate of increase of about 11.9 percent) despite the decrease from 10.8 to 9.6 days in the average length of covered stay.
- . The average reimbursement per covered day increased from \$98 in 1974 to \$193 in 1979, an average annual rate of increase of about 14.5 percent.
- . Between 1974 and 1979, the increase in the reimbursement per covered day accounted for approximately 54 percent of the increase in total short-stay hospital reimbursements to the disabled. About 33 percent of the increase in total reimbursements was due to a rate of increase in the enrollment of the disabled (8.6 percent per year) which was about 4 times greater than that of the aged during the same period. The remainder

of the increase was due to the increase in the covered days of care per 1,000 disabled HI enrollees. 5/

- . Total hospital charges increased slightly faster than reimbursable costs. Between 1974 and 1979, total hospital charges increased from \$0.9 billion to \$3.1 billion, or at an average annual rate of 30 percent compared to 28 percent for reimbursements. Therefore, Medicare HI reimbursements decreased from 73.3 percent of charges in 1974 to 68.8 percent of charges in 1979.

Use, Charges, and Reimbursements in 1979

Aged, 1979

- . The 8.5 million discharges of aged beneficiaries occurring in 1979 accounted for 90.3 million days of short-stay hospital care. The mean length of stay per discharge was 10.6 days. Of the total 90.3 million days of care, 88.0 million days (97.5 percent) were covered days, that is, paid for in full or in part by the HI program.
- . Total hospital charges for short-stay discharges in 1979 were \$22.7 billion. Of this total, Medicare patients were responsible for approximately \$1.5 billion (7 percent) in non-reimbursable charges (deductibles, coinsurance, and other noncovered services). On an interim basis, the HI program reimbursed the hospitals \$16.0 billion - about 71 percent of total hospital charges. Additional retroactive year-end payments based

5/See Klarman, et al., Ibid, Appendix, Method Number 5.

on audited cost reports are estimated to be about \$0.7 billion (3 percent) of total hospital charges. The remainder - about \$4.5 billion (19 percent) of total hospital charges - represents non-recoverable charges billed by the hospital since Medicare reimbursement is based on "reasonable costs." 6/

. There were substantial geographic differences in use and reimbursements for short-stay hospital services to aged beneficiaries.

.. Among the four U.S census regions, the average length of covered stay ranged from 8.6 days in the West to 12.4 days in the Northeast. The mean reimbursement per discharge ranged from \$1,545 in the South to \$2,272 in the Northeast. The mean reimbursement per covered day ranged from \$159 in the South to \$246 in the West.

.. Among the 50 States, the average length of covered stay ranged from 7.6 days in Idaho to 14.0 days in the District of Columbia, the mean reimbursement per discharge ranged from \$1,112 in Arkansas to \$3,668 in the District of Columbia.

Disabled, 1979

. The 1.2 million discharges of disabled beneficiaries occurring in 1979 accounted for 11.5 million days of short-stay hospital care. The mean

6/Interim Medicare payments are intended to meet program obligations for the reasonable costs of services to beneficiaries on a current basis. The amount of payments are based on estimates of incurred costs. These are adjusted following the submittal of audited cost reports. For a detailed discussion of the composition of short-stay hospital charges, refer to Charles Helbing, Op. Cit.

length of stay per discharge was 9.9 days. Of the total 11.5 million days of care, 11.2 million days (97.1 percent) were covered days, that is, paid for in full or in part by the HI program.

- . As reported for the aged, utilization and reimbursements for short-stay hospital services to the disabled varied considerably by the geographic residence of the beneficiary.

.. Among the four U.S census regions, average length of covered stay ranged from 8.2 days in the West to 11.3 days in the Northeast. The mean reimbursement per discharge ranged from \$1,486 in the South to \$2,182 in the Northeast. The mean reimbursement per covered day ranged from \$166 in the South to \$259 in the West.

.. Among the 50 States, the average length of covered stay ranged from 6.9 days in Idaho and Montana to 13.2 days in the District of Columbia. The mean reimbursement per discharge ranged from \$1,059 in Arkansas to \$3,717 in the District of Columbia.

- . Disabled beneficiaries had an average length of covered stay of 9.6 days compared to 10.4 days for the aged. The average reimbursement per discharge was slightly less for the disabled (\$1,855) than the aged (\$1,889).

Short-Stay Hospital Utilization Indices, 1979

Data presented in this Note are based on discharge records processed and recorded in HCFA as of December 1980. Because an estimated 2 percent of the discharge records for 1979 had not been processed as of December 1980, the 1979 data (Tables 2 and 3) should be regarded as preliminary.^{7/} Since the rate of record processing may vary across the States, the annual discharge and days of care rates are not shown for the individual States in Tables 2 and 3. However, the percentage of completeness of the file is assumed to be more uniform at the census region and division levels. For this reason, the preliminary discharge rate (discharges per 1,000 enrollees) and the total days-of-care rate (total days of care per 1,000 enrollees) for each census region and division (Table A) are indexed to the national rate. This provides a measure of relative difference between census regions and divisions in the use of short-stay hospital services. The index shows the percentage above or below the national rate that a region or division falls in a specific use measure.

The index is derived by dividing the preliminary region and division utilization rates by the preliminary rate for the U.S. For example, if the preliminary data showed that the national discharge rate was 300 per 1,000 HI beneficiaries and the rate for census region A was 330 per 1,000, the discharge rate index for region A would be 110, or 10 percent above the national rate. On the other hand, if region B had a discharge rate of 270

^{7/} A more comprehensive analysis based on the availability of additional data is presented in the Health Care Financing Statistical Report series.

Table A-Discharges, Utilization Indices, and Average Length of Stay in Short-Stay Hospitals Under the Medicare HI Program, By Geographic Region and Division, 1979

Geographic Division	Number of Discharges	Annual Dis-charge Rate Index <u>1</u> /	Annual Days-of-Care Rate Index <u>1</u> /	Average Length of Stay Index <u>2</u> / Days
Aged Beneficiaries				
United States 3/ Regions	8,426	100	100	100 10.6
Northeast	1,795	88	109	124 13.1
North Central	2,386	105	107	102 10.8
South	2,957	109	100	92 9.8
West	1,287	92	76	83 8.8
Divisions				
New England	465	91	103	113 12.0
Middle Atlantic	1,330	87	111	127 13.7
East North Central	1,522	101	107	107 11.3
West North Central	864	115	108	93 9.9
South Atlantic	1,378	99	96	97 10.3
East South Central	635	118	107	92 9.7
West South Central	944	119	103	87 9.2
Mountain	339	98	82	84 8/9
Pacific	948	90	74	83 8.8
Disabled Beneficiaries				
United States 3/ Regions	1,153	100	100	100 9.9
Northeast	227	89	107	120 11.9
North Central	286	106	113	106 10.5
South	456	106	97	92 9.1
West	182	94	80	85 8.4
Divisions				
New England	51	90	97	107 10.6
Middle Atlantic	175	88	109	124 12.3
East North Central	203	103	113	110 10.9
West North Central	83	114	112	98 9.7
South Atlantic	222	102	98	96 9.5
East South Central	112	114	102	89 8.8
West South Central	122	105	97	88 8.7
Mountain	43	96	83	86 8.5
Pacific	139	93	79	85 8.4

1/ Ratio of annual rates per 1,000 enrollees in subdivisions to U.S. rate, times 100.

2/ Ratio of average length of stay in subdivision to average for U.S. times 100.

3/ Excludes Puerto Rico, Virgin Islands, and other enrollees outside the 50 States and the District of Columbia.

per 1,000 HI beneficiaries, its index would be 90 or 10 percent below the national rate.

Aged, 1979

- . Hospital use by the aged in the United States varied substantially among the nine U.S. census divisions.
- .. The annual discharge rate index ranged from 87 in the Middle Atlantic States to 119 in the West South Central States.
- .. The annual total days of care rate index ranged from a low of 74 in the Pacific States to a high of 111 in the Middle Atlantic States.
- .. The average length of stay index ranged from 83 in the Pacific States to 127 in the Middle Atlantic States.

Disabled, 1979

- . The short-stay hospital utilization patterns for the disabled were quite similar to those for the aged as described above.
- .. The annual discharge rate index ranged from 88 in the Middle Atlantic States to 114 in the West North Central and East South Central States.
- .. The annual total days of care rate index ranged from 79 in the Pacific States to 113 in the East North Central States.
- .. The average length of stay index ranged from 85 in the Pacific States to 124 in the Middle Atlantic States.

Sources and Limitations of Data

Data for a 20 percent sample of the insured population were derived from billing forms for inpatient hospital services submitted for payment by participating short-stay hospitals.

Information from the billing form is matched to the Health Insurance Eligibility master file which contains information on enrollee demographic characteristics. The discharge record is then matched to the Provider of Service master file which contains information on the characteristics of each participating hospital.

Data presented in this Note are based on discharge records processed and recorded as of December 1980. As a result, 1979 data should be regarded as "preliminary" since an estimated 2 percent of the discharge records for 1979 had not been processed for payment as of December 1980. The sample counts for 1979 have been multiplied by 5 to give an estimate of the total number of discharges recorded as of that date.

DEFINITIONS

Days of Care - A day of inpatient hospital care during which services were furnished to a person eligible for hospital insurance benefits. The day of discharge is not counted as a day of care.

Covered Days of Care - A day of inpatient skilled nursing hospital care during which the services (determined to be medically necessary by the Professional Standards Review Organization or the Utilization Review Committee) furnished to a person eligible for HI benefits are covered by Medicare. The day of discharge is not counted as a day of care.

Discharge - The formal release of a patient from a hospital. Discharges include persons who died during their hospitalization or were transferred to another hospital.

Reimbursement - Payments under the HI program which are shown in the Note are based on interim reimbursement rates reported on processed bills. The interim rates are established as a per diem amount or as a percentage of total charges. Figures shown exclude amounts for which the patient is responsible such as deductibles, coinsurance, and charges for noncovered services. The final amount of reimbursement due under Medicare to each provider of medical services is determined after the end of the fiscal year on the basis of the providers' audited reasonable costs of operation.

Short-Stay Hospitals - Those hospitals where the average length of stay is less than 30 days. General and special hospitals are included in this category.

State - Refers to the State where the beneficiary is living not the State where he or she received services.

Standard Error Tables

Tables 4 through 9 show approximate standard errors for estimates presented in this report. The standard error is a measure of sampling variability: the variation occurs by chance because a sample rather than the whole population is used. Approximate methods were used to calculate the standard errors at a reasonable cost. Thus, these tables should be used only as indicators of the order of magnitude of the standard errors for specific estimates.

TABLE 1

USE OF SHORT STAY HOSPITAL SERVICES BY MEDICARE HOSPITAL INSURANCE (HI) BENEFICIARIES: NUMBER OF HI ENROLLEES AND DISCHARGES, DAYS OF CARE, CHARGES, AND REIMBURSEMENT BY TYPE OF BENEFICIARY, CALENDAR YEARS, 1969-79

YEAR	NUMBER OF ENROLLEES	NUMBER OF DISCHARGES	AVERAGE LENGTH OF STAY (IN DAYS)		DAYS OF CARE		TOTAL CHARGES		REIMBURSEMENT				
			TOTAL	COVERED	PER DIS-CHARGE	NUMBER (IN THOU-SANDS)	TOTAL	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	PER DAY			
											PERCENT OF TOTAL CHARGES	PERCENT OF TOTAL CHARGES	
													ALL BENEFICIARIES
1969 1/	20,014,235	5,954,740	13.6	13.4	79,751	78,356	58.2	\$ 5,260,606	\$ 899	\$ 66	\$ 4,132,826	\$ 706	78.5
1970 1/	20,361,152	5,920,320	13.1	12.8	77,652	75,914	97.7	5,908,690	998	76	4,517,654	763	76.4
1971 1/	20,742,250	6,111,835	12.7	12.3	77,395	75,313	97.3	6,733,494	1,102	87	5,129,245	839	76.1
1972 1/	21,113,261	6,475,850	12.3	11.8	72,809	76,788	96.2	7,560,301	1,164	95	5,709,189	879	75.5
1973	21,331,082	6,661,125	11.9	11.3	81,380	77,653	95.4	8,269,144	1,207	102	6,253,014	911	75.6
1974	21,924,145	7,012,155	11.6	11.3	81,307	79,418	97.7	9,722,750	1,386	120	7,309,058	1,042	75.2
1975	22,613,407	7,413,440	11.3	11.2	84,140	82,734	98.3	12,309,324	1,660	146	9,209,250	1,242	74.8
1976	22,832,573	8,320,120	11.2	11.1	93,316	91,933	98.4	15,971,925	1,920	171	11,895,771	1,430	74.5
1977	23,033,619	9,740,440	11.0	10.8	95,882	94,251	98.3	18,952,160	2,168	198	13,755,807	1,578	72.8
1978	26,777,263	9,349,131	10.7	10.5	99,786	97,928	98.1	22,595,854	2,417	226	16,054,294	1,717	71.0
1979 2/	27,459,157	9,634,610	10.6	10.3	101,758	99,147	97.4	25,832,925	2,679	253	18,173,832	1,885	70.4
AGED													
1969	21,014,235	5,954,740	13.4	13.4	79,761	78,356	98.2	5,260,606	899	66	4,132,836	706	78.5
1970	21,361,152	5,920,320	13.1	12.8	77,652	75,914	97.7	5,908,690	998	76	4,517,654	763	76.4
1971	21,742,250	6,111,835	12.7	12.3	77,395	75,313	97.3	6,733,494	1,102	87	5,129,245	839	76.1
1972	21,113,261	6,475,850	12.3	11.8	72,809	76,788	96.2	7,560,301	1,164	95	5,709,189	879	75.5
1973	21,331,082	6,661,125	11.9	11.4	78,379	75,324	95.6	8,602,424	1,209	102	6,052,260	915	75.6
1974	21,924,145	7,012,155	11.6	11.4	78,664	72,995	97.8	8,855,347	1,382	119	6,580,648	1,041	75.4
1975	22,613,407	7,413,440	11.4	11.2	76,457	75,213	98.4	11,088,929	1,656	145	8,319,313	1,242	75.0
1976	22,832,573	8,320,120	11.3	11.1	84,474	83,139	98.4	14,303,731	1,917	169	10,681,706	1,432	74.7
1977	23,033,619	9,740,440	11.0	10.9	84,604	84,635	98.3	16,866,483	2,166	196	12,308,999	1,581	73.0
1978	26,777,263	9,349,131	10.8	10.6	86,971	87,363	98.2	19,959,852	2,415	224	14,228,643	1,721	71.3
1979 2/	27,459,157	9,634,610	10.6	10.4	99,756	87,984	97.5	22,704,059	2,676	251	16,020,929	1,889	70.6
DISABLED													
1973	1,730,358	232,020	10.9	10.0	2,342	2,339	92.0	266,720	1,145	105	200,754	862	75.3
1974	1,839,116	295,715	11.2	10.8	6,443	6,423	95.7	857,403	1,439	129	628,410	1,055	73.3
1975	2,158,392	716,435	10.7	10.5	7,683	7,521	97.9	1,220,395	1,703	159	889,937	1,242	72.9
1976	2,352,158	868,395	10.5	10.3	9,942	8,854	97.9	1,668,194	1,943	184	1,214,065	1,414	72.8
1977	2,615,373	953,945	10.3	10.1	9,658	9,648	97.9	2,085,277	2,186	212	1,486,808	1,559	71.3
1978	2,732,206	1,083,360	10.0	9.8	10,815	10,565	97.7	2,636,312	2,433	244	1,825,651	1,685	69.3
1979 2/	2,912,766	1,160,325	9.9	9.6	11,502	11,163	97.1	3,128,866	2,696	272	2,152,903	1,855	68.8

1/ PRIOR TO 1973, SERVICES WERE COVERED ONLY FOR BENEFICIARIES AGED 65 AND OVER. EFFECTIVE JULY 1, 1973, HI BENEFITS WERE EXTENDED TO PERSONS UNDER 65 YEARS OF AGE WHO WERE ENTITLED TO CASH BENEFITS FOR NOT LESS THAN 24 CONSECUTIVE MONTHS UNDER THE DISABILITY INSURANCE PROGRAM AND TO PERSONS WITH END-STAGE RENAL DISEASE (ESRD).

2/ PRELIMINARY ESTIMATES.

TABLE 2

USE OF SHORT STAY HOSPITAL SERVICES BY AGED MEDICARE HOSPITAL INSURANCE (HI) BENEFICIARIES: NUMBER OF DISCHARGES, DAYS OF CARE, CHARGES, AND REIMBURSEMENT BY REGION, DIVISION, AND STATE, 1979

AREA OF RESIDENCE	LENGTH OF STAY (IN DAYS)				DAYS OF CARE				TOTAL CHARGES				REIMBURSEMENT			
	NUMBER OF DISCHARGES	PER DIS-CHARGE	COVERED	TOTAL	NUMBER (IN THOU-SANDS)	PERCENT OF TOTAL DAYS	NUMBER (IN THOU-SANDS)	PERCENT OF TOTAL DAYS	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	PER DAY	AMOUNT* (IN THOU-SANDS)	PER DIS-CHARGE	PERCENT OF TOTAL CHARGES		
ALL AREAS UNITED STATES	8,483,085	10.6	10.4	90,256	87,984	97.5	\$23,704,058	\$2,676	\$251	\$16,020,929	\$1,889	70.6				
	8,425,925	10.6	10.4	89,658	87,403	97.5	22,621,259	2,685	252	15,971,667	1,896	70.6				
NORTHEAST	1,795,455	13.1	12.4	23,559	22,265	54.5	6,169,412	3,436	261	4,079,987	2,272	66.1				
NORTH CENTRAL	2,397,630	10.8	10.6	25,745	25,354	98.5	6,165,910	2,585	239	4,588,849	1,924	74.4				
SOUTH	2,567,345	9.8	9.7	28,979	28,671	8.9	6,567,915	2,221	226	4,568,418	1,545	69.6				
SOUT	1,266,640	8.8	8.6	11,365	11,104	97.7	3,715,544	2,888	326	2,732,623	2,124	73.5				
NEW ENGLAND	465,285	12.0	11.3	5,593	5,237	93.6	1,426,560	3,087	256	1,062,979	2,285	74.0				
CONNECTICUT	100,275	11.5	11.3	1,152	1,130	98.1	298,872	2,981	259	240,792	2,401	80.6				
MAINE	59,015	10.1	9.7	507	483	65.3	118,906	2,377	234	86,550	1,738	73.1				
MASSACHUSETTS	229,193	13.1	11.9	2,953	2,678	90.7	791,802	3,516	268	561,104	2,492	70.9				
NEW HAMPSHIRE	34,035	10.1	9.7	335	319	95.2	74,957	2,269	223	56,611	1,714	75.5				
RHODE ISLAND	36,260	11.7	11.6	423	420	99.2	109,134	3,010	257	84,935	2,342	77.8				
VERMONT	20,515	10.9	10.1	223	207	92.6	42,888	2,091	192	32,587	1,588	76.0				
MIDDLE ATLANTIC	1,330,170	13.5	12.8	17,566	17,028	94.8	4,732,852	3,558	263	3,017,008	2,268	63.7				
NEW JERSEY	243,700	12.7	12.0	3,333	3,169	95.1	870,714	3,573	261	520,317	2,135	59.8				
NEW YORK	608,085	14.6	13.5	8,776	8,117	92.5	2,307,831	3,827	262	1,494,979	2,479	64.8				
PENNSYLVANIA	482,385	12.1	11.3	5,657	5,474	98.0	1,554,306	3,215	265	1,001,712	2,072	64.4				
EAST NORTH CENTRAL	1,521,940	11.3	11.1	17,176	16,917	98.5	4,342,964	2,854	252	3,194,745	2,099	73.6				
ILLINOIS	444,550	11.7	11.4	5,192	5,076	97.8	1,419,343	3,193	273	997,608	2,244	70.3				
INDIANA	198,320	10.8	10.7	2,139	2,112	98.7	433,533	2,186	202	351,812	1,774	81.1				
MICHIGAN	306,855	11.3	11.2	3,511	3,465	98.7	1,015,650	3,280	289	728,342	2,352	71.7				
OHIO	380,658	11.4	11.3	4,342	4,303	99.1	1,039,214	2,730	239	760,582	1,998	73.2				
WISCONSIN	188,785	10.6	10.4	1,993	1,960	98.3	435,224	2,306	218	356,400	1,888	81.9				
WEST NORTH CENTRAL	863,690	9.9	9.8	8,569	8,437	98.5	1,822,947	2,111	212	1,394,104	1,614	76.5				
IOA	151,425	9.4	9.2	1,417	1,397	98.6	291,197	1,923	205	227,623	1,503	78.2				
KANSAS	172,420	9.9	9.7	1,316	1,291	98.1	273,288	2,081	207	208,335	1,561	76.2				
MINNESOTA	178,333	9.8	9.6	1,713	1,687	98.5	364,565	2,079	212	297,297	1,696	81.6				
MISSOURI	245,845	10.9	10.8	2,685	2,651	98.8	591,606	2,405	220	434,621	1,767	73.5				
NEBRASKA	84,115	9.4	9.2	793	776	97.9	172,394	2,050	217	123,954	1,474	71.9				
NORTH DAKOTA	34,705	9.0	8.8	311	304	97.9	64,716	1,865	208	52,915	1,525	81.8				
SOUTH DAKOTA	58,750	8.7	8.5	336	331	98.5	65,179	1,682	194	49,259	1,271	75.6				

TABLE 2

USE OF SHORT STAY HOSPITAL SERVICES BY AGED MEDICARE HOSPITAL INSURANCE (HI) BENEFICIARIES: NUMBER OF DISCHARGES, DAYS OF CARE, CHARGES, AND REIMBURSEMENT BY REGION, DIVISION, AND STATE, 1979

AREA OF RESIDENCE	NUMBER OF DISCHARGES	MEAN LENGTH OF STAY (IN DAYS)			DAYS OF CARE			TOTAL CHARGES			REIMBURSEMENT					
		TOTAL		PER DIS-CHARGE	COVERED		TOTAL	NUMBER (IN THOU-SANDS)	PERCENT OF TOTAL DAYS	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	PER DAY	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	PERCENT OF TOTAL CHARGES	
		PER DIS-CHARGE	PERCENT OF TOTAL DAYS													
SOUTH ATLANTIC	1,377,620	10.3	10.1	14,162	13,974	98.7	98.7	3,380,201	2,454	238	2,379,364	1,727	238	2,379,364	1,727	70.4
DELAWARE	19,275	11.6	11.3	212	206	97.0	97.0	50,390	2,757	237	37,781	2,067	237	37,781	2,067	75.0
DIST OF COLUMBIA	18,125	14.8	14.0	269	255	94.6	94.6	84,979	4,688	315	66,485	3,658	315	66,485	3,658	78.2
FLORIDA	518,950	9.7	9.6	5,033	4,978	98.9	98.9	1,411,635	2,720	280	950,027	1,831	280	950,027	1,831	67.3
GEORGIA	190,560	8.7	8.6	1,568	1,548	98.7	98.7	349,295	1,933	222	236,469	1,309	222	236,469	1,309	67.7
MARYLAND	111,250	12.6	12.5	1,407	1,392	98.9	98.9	345,075	3,102	245	295,117	2,653	245	295,117	2,653	85.5
NORTH CAROLINA	192,385	10.4	10.3	2,009	1,984	98.7	98.7	370,262	1,925	184	274,997	1,429	184	274,997	1,429	74.3
SOUTH CAROLINA	85,430	10.1	10.1	866	859	99.2	99.2	170,707	1,998	197	119,323	1,397	197	119,323	1,397	69.9
VIRGINIA	163,040	11.7	11.5	1,904	1,870	98.2	98.2	409,949	2,514	215	275,243	1,688	215	275,243	1,688	67.1
WEST VIRGINIA	89,505	10.0	9.9	893	882	98.7	98.7	187,861	2,099	210	123,922	1,385	210	123,922	1,385	66.0
EAST SOUTH CENTRAL	635,290	9.7	9.6	6,152	6,096	99.1	99.1	1,285,999	2,024	209	837,792	1,319	209	837,792	1,319	65.1
ALABAMA	169,755	9.3	9.3	1,586	1,576	99.4	99.4	380,746	2,243	240	235,846	1,389	240	235,846	1,389	61.9
KENTUCKY	152,705	9.5	9.4	1,446	1,431	99.0	99.0	268,161	1,756	185	196,921	1,290	185	196,921	1,290	73.4
MISSISSIPPI	120,825	9.9	9.8	1,198	1,180	98.5	98.5	217,084	1,797	181	141,357	1,170	181	141,357	1,170	65.1
TENNESSEE	192,005	10.0	9.9	1,922	1,909	99.3	99.3	420,007	2,187	218	263,669	1,373	218	263,669	1,373	62.8
WEST SOUTH CENTRAL	944,455	9.2	9.1	8,665	8,601	99.3	99.3	1,901,715	2,014	219	1,351,261	1,431	219	1,351,261	1,431	71.1
ARKANSAS	128,905	8.7	8.6	1,122	1,113	99.1	99.1	222,087	1,723	197	143,334	1,112	197	143,334	1,112	64.5
LOUISIANA	149,100	9.3	9.2	1,385	1,371	99.0	99.0	314,845	2,112	227	208,473	1,398	227	208,473	1,398	66.2
OKLAHOMA	143,935	8.9	8.9	1,287	1,281	99.5	99.5	302,576	2,102	235	214,957	1,493	235	214,957	1,493	71.0
TEXAS	522,515	9.3	9.3	4,871	4,835	99.3	99.3	1,062,207	2,033	218	784,498	1,501	218	784,498	1,501	73.9
MOUNTAIN	338,515	8.9	8.7	3,019	2,946	97.6	97.6	784,034	2,316	259	580,189	1,714	259	580,189	1,714	74.0
ARIZONA	87,990	9.5	9.1	836	799	95.5	95.5	231,576	2,632	276	165,041	1,876	276	165,041	1,876	71.3
COLORADO	45,440	9.6	9.5	820	809	98.7	98.7	199,404	2,334	243	150,525	1,762	243	150,525	1,762	75.5
IDAHO	31,620	7.7	7.5	244	241	98.5	98.5	57,312	1,813	234	44,497	1,407	234	44,497	1,407	77.6
MONTANA	31,635	7.9	7.7	249	245	98.2	98.2	55,948	1,769	224	43,558	1,377	224	43,558	1,377	77.9
NEVADA	21,390	9.1	8.9	195	191	98.1	98.1	70,615	3,301	362	48,360	2,261	362	48,360	2,261	68.5
NEW MEXICO	34,905	8.7	8.4	303	294	96.9	96.9	77,550	2,222	255	56,975	1,632	255	56,975	1,632	73.5
UTAH	30,705	7.7	7.7	238	237	99.6	99.6	64,502	2,101	271	49,917	1,626	271	49,917	1,626	77.4
WYOMING	14,830	9.0	8.8	133	131	98.2	98.2	27,128	1,829	203	21,317	1,437	203	21,317	1,437	78.6
PACIFIC	948,165	8.8	8.6	8,346	8,159	97.8	97.8	2,931,509	3,092	351	2,152,434	2,270	351	2,152,434	2,270	73.4
ALASKA	3,240	9.3	8.7	30	28	93.3	93.3	11,124	3,433	368	8,588	2,651	368	8,588	2,651	77.2
CALIFORNIA	707,050	9.0	8.8	6,365	6,219	97.7	97.7	2,397,642	3,391	376	1,708,109	2,416	376	1,708,109	2,416	71.2
HAWAII	17,115	10.4	9.7	178	166	93.1	93.1	49,636	2,900	278	37,346	2,182	278	37,346	2,182	75.2
OREGON	40,380	8.1	8.0	736	725	98.5	98.5	209,276	2,316	284	175,451	1,941	284	175,451	1,941	83.8
WASHINGTON	130,380	8.0	7.8	1,037	1,021	98.5	98.5	263,833	2,024	254	222,941	1,710	254	222,941	1,710	84.5
RESIDENCE UNKNOWN	795	12.3	11.9	10	9	96.6	96.6	2,478	3,117	253	1,790	2,251	253	1,790	2,251	72.2
OTHER AREAS	55,140	10.4	10.1	575	559	97.2	97.2	75,712	1,373	131	44,216	802	131	44,216	802	58.4
PUERTO RICO	53,945	10.4	10.1	559	544	97.2	97.2	73,548	1,360	131	42,647	791	131	42,647	791	58.1
ALL OTHER AREAS	1,195	12.9	12.3	15	15	95.4	95.4	2,364	1,978	152	1,569	1,313	152	1,569	1,313	66.4
FOREIGN	2,020	11.2	11.0	23	22	98.3	98.3	7,089	3,509	314	5,046	2,498	314	5,046	2,498	71.2

TABLE 3

USE OF SHORT STAY HOSPITAL SERVICES BY DISABLED MEDICARE HOSPITAL INSURANCE(HI)BENEFICIARIES: NUMBER OF DISCHARGES,
DAYS OF CARE, CHARGES, AND REIMBURSEMENT BY REGION, DIVISION, AND STATE, 1979

AREA OF RESIDENCE	PERIOD LENGTH OF STAY (IN DAYS)				DAYS OF CARE				TOTAL CHARGES				REIMBURSEMENT			
	TOTAL		COVERED		TOTAL		COVERED		TOTAL		COVERED		TOTAL		COVERED	
	NUMBER OF DISCHARGES	PER DIS-CHARGE	PER DIS-CHARGE	PER DIS-CHARGE	NUMBER (IN THOU-SANDS)	PER DIS-CHARGE	NUMBER (IN THOU-SANDS)	PER DIS-CHARGE	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE
ALL AREAS	1,160,525	9.9	9.6	9.6	11,502	11.163	97.1	\$3,128,866	\$2,696	\$272	\$2,152,903	\$1,855	68.8			
UNITED STATES	1,152,720	9.9	9.6	9.6	11,428	11,093	97.1	3,117,930	2,705	273	2,146,590	1,862	68.8			
NORTHEAST	226,885	11.9	11.3	11.3	2,699	2,571	95.3	767,595	3,383	284	495,054	2,182	64.5			
NORTH CENTRAL	285,590	10.5	10.2	10.2	3,014	2,930	97.2	797,519	2,789	264	582,183	2,036	73.0			
SOUTH	456,185	9.1	9.0	9.0	4,160	4,086	98.2	1,006,588	2,207	241	677,906	1,486	67.3			
WEST	182,335	8.4	8.2	8.2	1,539	1,491	96.8	537,300	2,947	349	385,936	2,117	71.8			
NEW ENGLAND	51,480	10.6	10.0	10.0	546	517	94.6	153,455	2,981	280	111,929	2,174	72.9			
CONNECTICUT	10,660	10.6	10.3	10.3	113	110	97.5	29,457	2,763	260	23,665	2,220	80.3			
MAINE	6,630	9.2	8.8	8.8	63	60	95.4	16,214	2,374	258	11,580	1,696	71.4			
MASSACHUSETTS	23,030	11.5	10.6	10.6	265	244	92.1	80,063	3,476	301	55,754	2,421	69.6			
NEW HAMPSHIRE	3,445	8.8	8.7	8.7	30	30	98.2	8,806	2,956	290	6,342	1,841	72.0			
RHODE ISLAND	4,240	11.1	10.7	10.7	47	45	96.7	12,598	2,971	268	9,650	2,276	76.6			
VERMONT	3,275	8.5	8.2	8.2	28	27	96.7	6,317	1,929	226	4,937	1,507	78.2			
MIDDLE ATLANTIC	175,405	12.3	11.7	11.7	2,153	2,055	95.4	614,139	3,501	285	383,125	2,184	62.4			
NEW JERSEY	25,390	12.7	12.2	12.2	449	432	96.4	126,700	3,580	282	75,123	2,123	59.3			
NEW YORK	73,735	12.8	12.0	12.0	982	921	93.8	275,336	3,568	280	177,900	2,318	64.6			
PENNSYLVANIA	63,280	11.4	11.1	11.1	722	701	97.0	212,104	3,352	293	130,102	2,056	61.3			
EAST NORTH CENTRAL	202,595	10.9	10.6	10.6	2,205	2,146	97.3	601,497	2,969	272	435,613	2,150	72.4			
ILLINOIS	50,395	11.0	10.6	10.6	553	536	96.5	163,966	3,254	295	112,493	2,232	68.6			
INDIANA	27,435	10.8	10.4	10.4	256	286	96.9	66,802	2,435	225	51,947	1,893	77.8			
MICHIGAN	47,795	10.9	10.7	10.7	520	511	98.1	164,875	3,450	316	116,789	2,444	70.8			
OHIO	56,495	11.0	10.7	10.7	522	607	97.5	154,367	2,732	248	112,719	1,995	73.0			
WISCONSIN	20,475	10.3	10.0	10.0	211	206	97.3	51,488	2,515	243	41,665	2,035	80.9			
WEST NORTH CENTRAL	83,205	9.7	9.4	9.4	810	784	96.8	196,022	2,351	242	146,570	1,758	74.8			
IOA	14,150	8.8	8.6	8.6	125	122	97.5	28,653	2,025	228	21,681	1,546	76.4			
KANSAS	10,995	8.6	8.3	8.3	106	102	96.2	25,933	2,359	244	19,658	1,788	75.8			
MINNESOTA	15,310	8.7	8.2	8.2	148	141	95.0	36,802	2,404	247	30,306	1,980	82.3			
MISSOURI	36,300	10.6	10.3	10.3	320	311	97.3	75,715	2,409	236	53,386	1,762	70.5			
NEBRASKA	6,615	9.4	9.2	9.2	62	61	97.9	16,833	2,545	269	11,350	1,716	67.4			
NORTH DAKOTA	3,145	8.3	8.1	8.1	26	26	97.5	7,024	2,233	267	6,000	1,908	85.4			
SOUTH DAKOTA	2,880	7.4	7.3	7.3	21	21	98.7	5,063	1,758	237	3,988	1,385	78.8			

TABLE 3

USE OF SHORT STAY HOSPITAL SERVICES BY DISABLED MEDICARE HOSPITAL INSURANCE(HI)BENEFICIARIES: NUMBER OF DISCHARGES, DAYS OF CARE, CHARGES, AND REIMBURSEMENT BY REGION, DIVISION, AND STATE, 1979

AREA OF RESIDENCE	MEAN LENGTH OF STAY (IN DAYS)			DAYS OF CARE			TOTAL CHARGES			REIMBURSEMENT		
	NUMBER OF DISCHARGES	PER DIS-CHARGE	TOTAL COVERED	NUMBER (IN THOU-SANDS)	PER DIS-CHARGE	TOTAL	NUMBER (IN THOU-SANDS)	PER DIS-CHARGE	TOTAL	AMOUNT (IN THOU-SANDS)	PER DIS-CHARGE	PERCENT OF TOTAL CHARGES
SOUTH ATLANTIC	222,395	9.5	9.3	2,112	2,065	97.8	525,238	2,362	248	360,442	1,621	68.6
DELAWARE	2,575	10.2	10.0	26	26	97.1	7,289	2,831	276	5,489	2,132	75.3
DIST OF COLUMBIA	2,685	13.9	13.2	37	35	94.6	13,112	4,883	350	9,980	3,717	76.1
FLORIDA	60,670	9.5	9.2	574	561	97.7	164,059	2,704	285	107,549	1,773	65.6
GEORGIA	39,940	8.1	8.0	324	318	98.2	76,603	1,918	236	52,200	1,307	68.1
MARYLAND	15,340	11.8	11.5	181	176	97.3	49,486	3,226	272	41,869	2,729	84.6
NORTH CAROLINA	36,580	9.4	9.2	345	336	97.3	70,981	1,940	205	51,968	1,421	73.2
SOUTH CAROLINA	18,205	9.1	9.0	165	164	99.5	36,964	2,030	223	24,478	1,345	66.2
VIRGINIA	29,160	10.4	10.2	303	296	97.8	70,793	2,428	233	44,295	1,519	62.6
WEST VIRGINIA	17,420	9.0	8.9	155	153	98.0	35,952	2,085	230	22,615	1,312	52.9
EAST SOUTH CENTRAL	112,120	8.8	8.7	991	977	98.6	228,316	2,036	230	143,125	1,277	62.7
ALABAMA	30,455	8.7	8.6	265	262	98.9	67,465	2,215	255	41,102	1,350	60.9
KENTUCKY	24,455	9.0	8.8	220	215	97.8	45,739	1,870	207	33,420	1,366	73.1
MISSISSIPPI	21,600	9.7	8.5	190	188	98.8	38,904	1,755	203	23,349	1,062	60.2
TENNESSEE	35,610	9.0	8.9	315	312	99.0	76,308	2,167	241	45,254	1,285	59.3
WEST SOUTH CENTRAL	121,670	8.7	8.6	1,057	1,043	98.7	253,034	2,080	239	174,339	1,433	68.9
ARKANSAS	19,810	7.9	7.8	156	154	98.6	32,650	1,648	209	20,986	1,059	64.3
LOUISIANA	23,500	8.2	8.0	204	201	98.7	51,135	2,176	250	31,840	1,255	62.3
OKLAHOMA	17,215	8.2	8.0	141	138	98.1	38,004	2,208	269	26,109	1,522	68.9
TEXAS	61,145	9.1	9.0	556	550	98.9	131,245	2,146	236	95,315	1,559	72.6
MOUNTAIN	47,225	8.5	8.3	369	358	97.0	106,059	2,454	287	75,224	1,740	70.9
ARIZONA	12,745	4.2	9.0	116	112	96.3	35,555	2,834	306	23,682	1,904	67.2
COLORADO	15,105	6.9	8.7	90	89	97.0	24,896	2,464	275	17,306	1,713	69.5
IDAHO	3,635	7.1	6.9	26	25	97.4	6,360	1,750	245	4,979	1,370	78.3
MONTANA	3,460	6.9	6.9	26	25	99.4	6,109	1,656	239	4,733	1,283	77.5
NEVADA	3,650	8.8	8.4	32	31	95.8	11,376	3,117	353	7,847	2,150	69.0
NEW MEXICO	4,760	8.4	8.1	40	38	95.3	11,205	2,354	281	8,340	1,752	74.4
UTAH	3,550	8.1	7.9	29	28	96.8	7,829	2,205	270	6,097	1,717	77.9
WYOMING	1,290	8.2	8.2	11	11	99.2	2,730	2,116	257	2,040	1,582	74.7
PACIFIC	139,080	8.4	8.1	1,170	1,132	96.8	431,241	3,101	368	310,712	2,234	72.1
ALASKA	500	11.0	10.4	5	5	94.4	2,323	4,646	423	1,828	3,657	78.7
CALIFORNIA	108,820	8.5	8.2	923	895	97.0	359,694	3,304	389	251,738	2,312	70.0
HAWAII	2,485	9.9	9.1	25	23	91.9	7,820	3,147	318	5,676	2,284	72.6
OREGON	10,935	8.0	7.8	87	85	97.0	27,500	2,515	314	23,071	2,110	83.9
WASHINGTON	15,250	7.9	7.6	129	124	96.0	33,905	2,083	262	28,359	1,744	83.8
RESIDENCE UNKNOWN	1,355	11.7	11.3	16	15	94.1	8,928	6,589	561	5,511	4,067	61.7
OTHER AREAS	7,565	9.5	9.0	72	68	95.0	10,106	1,336	140	5,725	757	56.6
PUERTO RICO	7,365	9.4	8.9	63	66	95.0	9,637	1,309	139	5,324	723	55.2
ALL OTHER AREAS	200	12.3	12.6	3	3	94.4	468	2,342	175	400	2,001	85.4
FOREIGN	240	10.0	9.9	2	2	99.6	831	3,463	347	590	2,457	70.9

Table 4--Approximate Standard Error of
Estimated Number of Discharges Using
Services

Discharges	Standard Error
50	22
70	26
100	31
200	44
300	53
500	69
700	81
1,000	97
2,000	140
3,000	170
5,000	210
7,000	250
10,000	300
20,000	420
30,000	510
50,000	660
70,000	780
100,000	920
200,000	1,300
300,000	1,600
500,000	2,000
700,000	2,400
1,000,000	2,900
2,000,000	4,000
3,000,000	4,900
5,000,000	6,300
7,000,000	7,400
10,000,000	8,800

Table 5--Approximate Standard Error
of Estimated Days of Care

Estimated Days of Care	Standard Error
500	230
700	280
1,000	330
2,000	480
3,000	590
5,000	770
7,000	920
10,000	1,100
20,000	1,600
30,000	2,000
50,000	2,600
70,000	3,000
100,000	3,700
200,000	5,200
300,000	6,500
500,000	8,400
700,000	10,000
1,000,000	12,000
2,000,000	17,000
3,000,000	21,000
5,000,000	28,000
7,000,000	33,000
10,000,000	40,000
20,000,000	57,000
30,000,000	71,000
50,000,000	92,000
70,000,000	110,000
100,000,000	130,000

Table 6--Approximate Standard Error
of Estimated Charges of
reimbursement

Estimated Dollars		Standard Error	
\$	10,000	\$	10,000
	20,000		16,000
	30,000		21,000
	50,000		27,000
	70,000		33,000
	100,000		40,000
	200,000		58,000
	300,000		72,000
	500,000		95,000
	700,000		110,000
	1,000,000		140,000
	2,000,000		200,000
	3,000,000		250,000
	5,000,000		330,000
	7,000,000		400,000
	10,000,000		480,000
	20,000,000		710,000
	30,000,000		880,000
	50,000,000		1,200,000
	70,000,000		1,400,000
	100,000,000		1,700,000
	200,000,000		2,500,000
	300,000,000		3,100,000
	500,000,000		4,100,000
	700,000,000		4,900,000
	1,000,000,000		5,900,000
	2,000,000,000		8,700,000
	3,000,000,000		11,000,000
	5,000,000,000		14,000,000
	7,000,000,000		17,000,000
	10,000,000,000		21,000,000
	20,000,000,000		30,000,000
	30,000,000,000		38,000,000

Table 7--Approximate Standard Error of Days Per Discharge

Days Per Discharge	Base of Rate (Discharges in Thousands)															
	.05	.07	.10	.20	.30	.50	.70	1.0	2.0	3.0	5.0	7.0	10	20		
5	2.4	2.0	1.7	1.2	1.0	.79	.67	.57	.41	.34	.26	.22	.19	.14		
6	2.6	2.2	1.9	1.4	1.1	.87	.74	.62	.45	.37	.29	.24	.21	.15		
7	2.9	2.5	2.1	1.5	1.2	.94	.80	.68	.48	.40	.31	.26	.22	.16		
8	3.1	2.7	2.2	1.6	1.3	1.0	.87	.73	.52	.43	.33	.28	.24	.17		
9	3.4	2.9	2.4	1.7	1.4	1.1	.93	.78	.56	.46	.36	.30	.26	.18		
10	3.7	3.1	2.6	1.8	1.5	1.2	1.0	.84	.60	.49	.38	.32	.27	.19		
12	4.2	3.5	3.0	2.1	1.7	1.3	1.1	.95	.68	.55	.43	.37	.31	.22		
14	4.8	4.0	3.4	2.4	1.9	1.5	1.3	1.1	.76	.62	.48	.41	.34	.24		
16	5.3	4.5	3.8	2.7	2.2	1.7	1.4	1.2	.84	.69	.53	.45	.38	.27		
5	.11	.087	.075	.063	.045	.037	.029	.025	.021	.015	.012	.010	.0083	.0070		
6	.12	.095	.081	.068	.049	.041	.032	.027	.023	.016	.014	.011	.0090	.0076		
7	.13	.10	.088	.074	.053	.044	.034	.029	.025	.018	.015	.011	.0097	.0082		
8	.14	.11	.094	.079	.057	.047	.036	.031	.026	.019	.015	.012	.010	.0087		
9	.15	.12	.10	.084	.060	.050	.039	.033	.028	.020	.016	.013	.011	.0092		
10	.16	.13	.11	.089	.064	.052	.041	.035	.029	.021	.017	.014	.012	.0097		
12	.18	.14	.12	.10	.071	.058	.046	.039	.033	.023	.019	.015	.013	.011		
14	.20	.16	.13	.11	.078	.060	.050	.043	.036	.026	.021	.016	.014	.012		
16	.22	.17	.14	.12	.086	.070	.055	.047	.039	.028	.023	.018	.015	.013		

Table 8--Approximate Standard Error of Charges or Reimbursement Per Discharge

Dollars Per Discharge	Base of Rate (Discharges in Thousands)															
	.05	.07	.1	.2	.3	.5	.7	1	2	3	5	7	10	20		
\$ 300	\$200	\$180	\$150	\$110	\$ 92	\$ 73	\$ 63	\$ 54	\$ 40	\$ 33	\$ 26	\$ 23	\$ 19	\$14		
500	260	220	190	140	120	92	79	67	50	41	33	29	24	18		
700	300	260	220	160	130	110	92	78	58	48	38	33	28	21		
1,000	370	310	270	190	160	130	110	93	68	57	45	39	33	24		
2,000	610	520	440	310	250	200	170	140	100	85	67	57	48	35		
3,000	900	760	530	440	380	280	240	200	140	120	90	76	64	46		
4,000	1,200	1,000	840	590	480	370	310	260	180	150	120	98	82	58		
5,000	1,500	1,300	1,100	750	610	470	390	330	230	190	140	120	100	71		
	30	50	70	100	200	300	500	700	1,000	2,000	3,000	5,000	7,000	10,000		
\$ 300	\$12	\$ 9.5	\$ 8.2	\$ 7.0	\$ 5.2	\$ 4.3	\$ 3.4	\$ 2.9	\$ 2.5	\$ 1.8	\$ 1.5	\$ 1.2	\$ 1.1	\$.90		
500	16	12	10	8.8	6.5	5.4	4.3	3.7	3.2	2.3	1.9	1.5	1.3	1.1		
700	17	14	12	10	7.5	6.2	5.0	4.3	3.7	2.7	2.3	1.8	1.5	1.3		
1,000	20	16	14	12	8.7	7.3	5.8	5.0	4.3	3.1	2.6	2.1	1.8	1.5		
2,000	29	23	20	17	12	10	8.0	6.9	5.9	4.3	3.6	2.5	2.5	2.1		
3,000	38	30	25	21	15	13	10	8.6	7.3	5.3	4.4	3.0	3.0	2.5		
4,000	17	37	31	26	19	16	12	10	8.7	6.3	5.2	3.5	3.5	3.0		
5,000	58	45	38	32	23	18	14	12	10	7.4	6.1	4.1	4.1	3.4		

Table 9--Approximate Standard Error of Charges Per Day or Reimbursement Per Day

Dollars Per Discharge	Base of Rate (Discharges in Thousands)															
	.05	.1	.2	.3	.5	.7	10	20	30	50	70	100	200	300		
\$ 50	\$ 20	\$15	\$11	\$ 9.1	\$ 7.2	\$ 6.2	\$ 5.3	\$ 3.9	\$ 3.3	\$ 2.6	\$ 2.2	\$ 1.9	\$ 1.4	\$ 1.2		
70	22	16	12	10	8.0	6.9	5.9	4.3	3.6	2.9	2.5	2.1	1.6	1.3		
100	26	19	14	11	9.1	7.8	6.7	4.9	4.1	3.2	2.8	2.4	1.7	1.5		
200	44	32	23	19	15	12	11	7.6	6.2	4.9	4.2	3.5	2.5	2.1		
300	71	50	36	29	23	19	16	12	9.5	7.4	6.3	5.3	3.8	3.1		
400	100	72	51	42	32	27	23	16	13	10	8.8	7.4	5.3	4.3		
	500	700	1,000	2,000	3,000	5,000	7,000	10,000	20,000	30,000	50,000	70,000	100,000			
\$ 50	\$.94	\$.81	\$.69	\$.51	\$.43	\$.34	\$.29	\$.25	\$.18	\$.15	\$.12	\$.11	\$.09			
70	1.0	.90	.77	.56	.47	.38	.32	.28	.20	.17	.14	.12	.10			
100	1.2	1.0	.85	.63	.52	.42	.36	.31	.23	.19	.15	.13	.11			
200	1.7	1.4	1.2	.87	.72	.57	.49	.41	.30	.25	.20	.17	.14			
300	2.4	2.1	1.7	1.2	1.0	.80	.68	.57	.41	.34	.26	.23	.19			
400	3.4	2.8	2.4	1.7	1.4	1.1	.92	.77	.55	.45	.35	.30	.25			

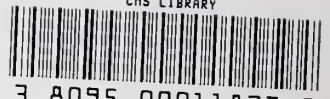
Table 8--Approximate Standard Error of Charges or Reimbursement Per Discharge

Dollars Per Discharge	Base of Rate (Discharges in Thousands)															
	.05	.07	.1	.2	.3	.5	.7	1	2	3	5	7	10	20	30	50
\$ 300	\$200	\$180	\$150	\$110	\$92	\$73	\$63	\$54	\$40	\$33	\$26	\$23	\$19	\$14		
500	260	220	190	140	120	92	79	67	50	41	33	29	24	18		
700	300	260	220	160	130	110	92	78	58	48	38	33	28	21		
1,000	370	310	270	190	160	130	110	93	68	57	45	39	33	24		
2,000	610	520	440	310	250	200	170	140	100	85	67	57	48	35		
3,000	900	760	530	440	380	280	240	200	140	120	90	76	64	46		
4,000	1,200	1,000	840	590	480	370	310	260	180	150	120	98	82	58		
5,000	1,500	1,300	1,100	750	610	470	390	330	230	190	140	120	100	71		
\$ 300	\$12	\$9.5	\$8.2	\$7.0	\$5.2	\$4.3	\$3.4	\$2.9	\$2.5	\$1.8	\$1.5	\$1.2	\$1.1	\$.90		
500	16	12	10	8.8	6.5	5.4	4.3	3.7	3.2	2.3	1.9	1.5	1.3	1.1		
700	17	14	12	10	7.5	6.2	5.0	4.3	3.7	2.7	2.3	1.8	1.5	1.3		
1,000	20	16	14	12	8.7	7.3	5.8	5.0	4.3	3.1	2.6	2.1	1.8	1.5		
2,000	29	23	20	17	12	10	8.0	6.9	5.9	4.3	3.6	2.5	2.5	2.1		
3,000	38	30	25	21	15	13	10	8.6	7.3	5.3	4.4	3.0	3.0	2.5		
4,000	17	37	31	26	19	16	12	10	8.7	6.3	5.2	3.5	3.5	3.0		
5,000	58	45	38	32	23	18	14	12	10	7.4	6.1	4.1	4.1	3.4		

Table 9--Approximate Standard Error of Charges Per Day or Reimbursement Per Day

Dollars Per Discharge	Base of Rate (Discharges in Thousands)															
	.05	.1	.2	.3	.5	.7	10	20	30	50	70	100	200	300	500	1,000
\$ 50	\$20	\$15	\$11	\$9.1	\$7.2	\$6.2	\$5.3	\$3.9	\$3.3	\$2.6	\$2.2	\$1.9	\$1.4	\$1.2		
70	22	16	12	10	8.0	6.9	5.9	4.3	3.6	2.9	2.5	2.1	1.6	1.3		
100	26	19	14	11	9.1	7.8	6.7	4.9	4.1	3.2	2.8	2.4	1.7	1.5		
200	44	32	23	19	15	12	11	7.6	6.2	4.9	4.2	3.5	2.5	2.1		
300	71	50	36	29	23	19	16	12	9.5	7.4	6.3	5.3	3.8	3.1		
400	100	72	51	42	32	27	23	16	13	10	8.8	7.4	5.3	4.3		
\$ 50	\$9.4	\$8.1	\$6.9	\$5.1	\$4.3	\$3.4	\$2.9	\$2.5	\$1.8	\$1.5	\$1.2	\$1.1	\$.09			
70	1.0	.90	.77	.56	.47	.38	.32	.28	.20	.17	.14	.12	.10			
100	1.2	1.0	.85	.63	.52	.42	.36	.31	.23	.19	.15	.13	.11			
200	1.7	1.4	1.2	.87	.72	.57	.49	.41	.30	.25	.20	.17	.14			
300	2.4	2.1	1.7	1.2	1.0	.80	.68	.57	.41	.34	.26	.23	.19			
400	3.4	2.8	2.4	1.7	1.4	1.1	.92	.77	.55	.45	.35	.30	.25			

CMS LIBRARY



3 8095 00011872 5